

CLAIMS

1. A method for controlling access rights to data stored in a hand portable device, comprising:
 - 5 a) storing a plurality of data assemblages in the hand portable device ;
 - b) accessing a first data assemblage;
 - c) in response to step b), automatically restricting subsequent access to the first data assemblage using a first security mechanism;
 - d) accessing a second data assemblage; and
 - 10 e) in response to step d), automatically restricting subsequent access to the second data assemblage using the first security mechanism.
2. A method as claimed in claim 1, further comprising subsequent to step c), requesting entry of a first password to enable access to the first data assemblage and subsequent to step e), requesting entry of the first password to enable access to the second data assemblage.
3. A method as claimed in claim 1 or 2, further comprising, before step a), receiving the first data assemblage at the hand portable device and before step d), receiving the second data assemblage at the hand portable device.
4. A method as claimed in claim 1, 2 or 3, wherein the access at step b) is a first access to the first data assemblage by the hand portable device and wherein the access at step e) is a first access to the second data assemblage by the hand portable device.
5. A method as claimed in any preceding claim, further comprising: discriminating the type of a data assemblage, wherein the automatic restriction of further access at step c) is enabled only for a first data assemblage of a defined type or types and the automatic restriction of further access at step e) is enabled only for a second data assemblage of the defined type or types.
6. A method as claimed in claim 5, further comprising user specification of the defined type(s) for which automatic restriction of further access is enabled.
7. A method as claimed in claim any preceding claim, further comprising: user specification of a password for use in the first security mechanism.

8. A method as claimed in any preceding claim, wherein the first data assemblage is one of: a SMS message, a MMS message, an instant messaging history, a picture file; an audio file; a video file; or a collection of bookmarks and wherein the second data assemblage is one of: a SMS message, a MMS message, an instant messaging history, a picture file; an audio file; a video file; or a collection of bookmarks.
9. A method as claimed in any preceding claim wherein the first data assemblage and/or the second data assemblage is/are created in the device.
10. A method for controlling access rights to data stored in a hand portable device, comprising:
- a) storing data in the hand portable device;
 - b) accessing the stored data; and
 - c) in response to step b), automatically restricting further access to the data.
11. A method as claimed in claim 10, further comprising subsequent to step c), requesting entry of a password to enable access to data.
12. A method as claimed in claim 10 or 11, further comprising, before step a), receiving at least a portion of the data at the hand portable device.
13. A method as claimed in claim 10, 11 or 12, wherein the access at step b) is a first access to the data by the hand portable device.
14. A method as claimed in any one of claims 10 to 13, further comprising: discriminating the type of a data, wherein the automatic restriction of further access at step c) is enabled only for data of a defined type or types.
15. A method as claimed in claim 14, further comprising user specification of the defined type(s) for which automatic restriction of further access is enabled.
16. A method as claimed in claim any one of claims 10 to 15, further comprising: user specification of a password for a first security mechanism used to restrict the further access to the data.

17. A method as claimed in any one of claims 10 to 16, wherein the data defines one of: a SMS message, a MMS message, an instant messaging history, a picture file; an audio file; a video file; or a collection of bookmarks.

5 18. A method as claimed in any one of claims 10 to 17, wherein the data is created in the device.

19. A method for controlling access rights to data stored in a hand portable device, wherein a data assemblage containing data for display as displayable content, is
10 automatically password protected after the content is first displayed.

20. A method for controlling access rights to data stored in a hand portable device, comprising:

- a) storing a plurality of data assemblages in the hand portable device ;
- 15 b) storing at least one data attribute for each data assemblage;
- c) changing the data attribute of a first data assemblage from a first type to a second type; and
- d) in response to step c), automatically restricting further access to the first data assemblage using a first security mechanism.

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21. A method as claimed in claim 20, wherein the first type of data attribute indicates that its associated data assemblage has not yet been accessed using the device and the second type of data attribute indicates that the associated data assemblage has been accessed using the device.

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22. A method as claimed in claim 20, wherein the first type of data attribute indicates that its associated data assemblage has been received and is available for access and the second type of data attribute indicates that the associated data assemblage was not accessed when received.

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23. A method as claimed in claim 20, 21 or 22 further comprising:

- e) changing the data attribute of a second data assemblage from a first type to a second type; and
- f) in response to step e), automatically restricting further access to the second data
35 assemblage using the first security mechanism.

24. A method as claimed in any one of claims 20 to 23, further comprising user specification of at least the second type of attribute.
25. A hand-portable device, for providing controlled access to stored data assemblages, comprising:
- user input means for user input of a password;
 - a memory for storing a first data assemblage and a second data assemblage;
 - access means for enabling a user to access the first data assemblage and the second data assemblage; and
- access control means arranged to detect access to the first data assemblage and automatically restrict subsequent access to the first data assemblage using a first security mechanism involving the password and arranged to detect access to the second data assemblage and automatically restrict subsequent access to the second data assemblage using the first security mechanism involving the password.
26. A hand-portable device as claimed in claim 25, further comprising transceiver means for receiving a data assemblage at the hand portable device.
27. A hand-portable device as claimed in claim 25 or 26, wherein the access control means is arranged to restrict subsequent access to the first data assemblage after detecting a first access to the first data assemblage and is arranged to restrict subsequent access to the second data assemblage after detecting a first access to the second data assemblage.
28. A hand-portable device as claimed in any one of claims 25 to 27, wherein the access control means discriminates the type of a data assemblage, and automatically restricts subsequent access to that data assemblage using a first security mechanism, if the data assemblage is of a defined type or types.
29. A hand-portable device as claimed in any one of claim 28, wherein the user input means is operable to enable a user to specify the defined type(s).
30. A hand-portable device as claimed in any one of claims 25 to 29, wherein the user input means is operable to enable a user to specify the password.
31. A hand-portable device as claimed in any one of claims 25 to 30, wherein the first data assemblage is one of: a SMS message, a MMS message, an instant messaging

history, a picture file; an audio file; a video file; or a collection of bookmarks and wherein the second data assemblage is one of: a SMS message, a MMS message, an instant messaging history, a picture file; an audio file; a video file; or a collection of bookmarks.

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32. A hand-portable device as claimed in any one of claims 25 to 31, wherein the first data assemblage and/or the second data assemblage is/are created in the device.

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33. A hand-portable device, for providing controlled access to stored data assemblages, comprising:

user input means for user input of a password;

a memory for storing data;

access means for enabling a user to access the data; and

access control means arranged to detect access to the data and automatically

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restrict subsequent access to the data using a first security mechanism involving the password.

34. A hand-portable device as claimed in claim 33, further comprising transceiver means for receiving the data at the hand portable device.

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35. A hand-portable device as claimed in claim 33 or 34, wherein the access control means is arranged to restrict subsequent access to the data after detecting a first access to the data.

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36. A hand-portable device as claimed in any one of claims 33 to 35, wherein the access control means discriminates the type of data, and automatically restricts subsequent access to data using the first security mechanism, if the data is of a defined type or types.

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37. A hand-portable device as claimed in claim 36, wherein the user input means is operable to enable a user to specify the defined type(s).

38. A hand-portable device as claimed in any one of claims 33 to 37, wherein the user input means is operable to enable a user to specify the password.

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39. A hand-portable device as claimed in any one of claims 33 to 38, wherein the data defines one of: a SMS message, a MMS message, an instant messaging history, a picture file; an audio file; a video file; or a collection of bookmarks.

5 40. A hand-portable device as claimed in any one of claims 33 to 39, wherein the data are created in the device.

41. A hand-portable device, for providing controlled access to stored data assemblages, comprising:

10 user input means for user input of a password;

a memory for storing a plurality of data assemblages and a plurality of associated respective attributes;

access means for enabling a user to access a stored data assemblage; and

15 access control means arranged to automatically restrict subsequent access to a first data assemblage using a first security mechanism, after the data attribute of the first data assemblage changes from a first type to a second type.

20 42. A hand-portable device as claimed in claim 41 wherein the first type of attribute indicates that its associated data assemblage has not yet been accessed using the device and the second type of attribute indicates that its associated data assemblage has been accessed using the device.

25 43. A hand-portable device as claimed in claim 41 or 42, wherein the first type of attribute indicates that its associated data assemblage has been received and is available for access and the second type of attribute indicates that its associated data assemblage was not accessed when received.

30 44. A hand-portable device as claimed in claim 41, 42 or 43 further wherein the access control means is arranged to automatically restrict subsequent access to a second data assemblage using a first security mechanism, when the data attribute of the second data assemblage changes from a first type to a second type.

35 45. A hand-portable device as claimed in any one of claims 41 to 44, wherein the user input means enable user specification of at least the second type of attribute.

46. A computer program for enabling a mobile telephone to perform the method of any one of claims 1 to 24.

47. A record carrier embodying a computer program as claimed in claim 46.